

NOVAKRYL 5600 2.1 ACRYLIC CLEARCOAT

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

1.1. Product identifier

NOVAKRYL 5600 2.1 ACRYLIC CLEARCOAT

1.2. Relevant identified uses of the substance or mixture and uses advised against

Acrylic clearcoat (component A) for application with the use of a spray gun. For professional use in car refinish.

1.3. Data of the supplier Safety Data Sheet

NOVOL Sp. z o.o.
Ul. Żabikowska 7/9
PL 62-052 Komorniki

Person responsible for the Safety Data Sheet

Tel: +48 61 810-98-00
Fax: +48 61 810-98-09
www.novol.pl
dokumentacja@novol.pl

1.4. Emergency telephone number

+48 61 810-98-00

SECTION 2: HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture

The mixture was classified as dangerous pursuant to current regulations - see section 15.

Classification 1272/2008/WE:

Sensitisation — Skin, category 1 (Skin Sens. 1). May cause an allergic skin reaction.

Serious eye damage/eye irritation, Hazard Category 2 (Eye Irrit.2). Causes serious eye irritation.

Specific target organ toxicity — Single exposure, Hazard Category 3, Narcosis (STOT SE 3). May cause drowsiness or dizziness.

Carcinogenicity, Hazard Category 2 (Carc. 2). Suspected of causing cancer.

Hazardous to the aquatic environment — Chronic Hazard, Category 2 (Aquatic Chronic 2). Toxic to aquatic life with long lasting effects.

Liquid, flammable substances, category 2 (Flam. Liq. 2). Highly flammable liquid and vapour.

Repeated exposure may cause skin dryness or cracking.

2.2. Label elements:

Contains:

4-chloro- α,α,α -trifluorotoluene, isobutyl methyl ketone

Pictograms:



Signal word:

Danger.

H225

Highly flammable liquid and vapour.

H317

May cause an allergic skin reaction.

H319

Causes serious eye irritation.

H336

May cause drowsiness or dizziness.

H351

Suspected of causing cancer.

H411

Toxic to aquatic life with long lasting effects.

EUH066

Repeated exposure may cause skin dryness or cracking.

P102

Keep out of reach of children.

P201

Obtain special instructions before use.

P202

Do not handle until all safety precautions have been read and understood.

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P235

Keep cool.

P240

Ground, bond container and receiving equipment

P241

Use ventilating equipment.

P242

Use only non-sparking tools.

P243

Take precautionary measures against static discharge.

P261

Avoid breathing vapours and spray.

P271

Use only outdoors or in a well-ventilated area.

P272

Contaminated work clothing should not be allowed out of the workplace.

P280

Wear protective gloves, protective clothing, eye protection, face protection.

P363

Wash contaminated clothing before reuse.

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

NOVAKRYL 5600 2.1 ACRYLIC CLEARCOAT

P303 + P361 + P353

lenses, if present and easy to do. Continue rinsing.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
If skin irritation or rash occurs: Get medical attention.

P333 + P313

SECTION 2: HAZARD IDENTIFICATION

2.2. Label elements:

P304 + P340

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P308 + P313

IF exposed or concerned: Get medical advice.

P312

Call a doctor if you feel unwell.

P370 + P378

In case of fire: Use dry chemical powder for extinction.

P403 + P233

Store in a well-ventilated place. Keep container tightly closed.

P405

Store locked up.

P501

Dispose of contents and container in accordance with local, state and federal regulations.

2.3. Other hazards

No available data.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable.

3.2. Mixtures

Product identification

NOVAKRYL 5600 2.1 ACRYLIC CLEARCOAT

Substance name	Identification numbers	Classification and marking	Concentration [wt%]
4-chloro- α,α,α -trifluorotoluene	WE: 202-681-1 CAS: 98-56-6 Index no.: --- Registration no.: 05-2114106385-56-XXXX	Flam. Liq. 3; H226; Skin Sens. 1B, H317 Aquatic Chronic 2; H411	15-20
Acetone	WE: 200-662-2 CAS: 67-64-1 Index no.: 606-001-00-8 Registration no.: 01-2119471330-49-XXXX	Flam. Liq. 2; H225; Eye Irrit.2; H319; STOT SE 3, H336 EUH066	<20
Xylene	EC: 215-535-7 CAS: 1330-20-7 Index no.: 601-022-00-9 Registration no.: 01-2119539452-40-XXXX	Flam. Liq. 3; H226; Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit.2; H315	5-9
1-methoxy-2-propanol acetate	EC: 203-603-9 CAS: 108-65-6 Index no.: 607-195-00-7 Registration no.: 01-2119475791-29-XXXX	Flam. Liq. 3; H226	7-10
Butyl acetate	WE: 204-658-1 CAS: 123-86-4 Index no.: 607-025-00-1 Registration no.: 01-2119485493-29-XXXX	Flam. Liq. 3; H226; STOT SE 3; H336 EUH066	2-4
Methyl acetate	WE: 201-185-2 CAS: 79-20-9 Nr Indeksu: 607-021-00-x Nr rejestracji: 01-2119459211-47-XXXX	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	4-8

NOVAKRYL 5600 2.1 ACRYLIC CLEARCOAT

Hydrocarbons, C9, aromatics	WE: 918-668-5 CAS: -- Index no.: NA Registration no.: 01-2119455851-35-XXXX	Flam. Liq. 3; H226 STOT SE 3; H335; H336 Asp. Tox. 1; H304 Aquatic Chronic 2 H411 EUH 066	<7
-----------------------------	--	---	----

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance name	Identification numbers	Classification and marking	Concentration [wt%]
Methyl amyl ketone	WE: 203-767-1 CAS: 110-43-0 Index no.: 606-024-00-3 Registration no.: 01-2119902391-49-XXXX	Flam. Liq. 3; H226 Acute Tox. 4; H332 Acute Tox. 4; H302	2-4
isobutyl methyl ketone	WE: 203-550-1 CAS: 108-10-1 Index no.: 606-004-00-4 Registration no.: 01-2119473980-30-XXXX	Flam. Liq. 2, H225 Acute Tox. 4 (Wdychać), H332 Eye Irrit. 2, H319 Carc. 2, H351 STOT SE 3, H336	<2,5
reaction mass of α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene) and α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)	WE: 400-830-7 CAS:104810-48-2+104810-47-1+ 25322-68-3 Index no.: 607-176-00-30 Registration no.: 01-2119472279-28-XXXX	Skin Sens. 1; H317 Aquatic Chronic 2; H411	<1
Acetic acid 20%	WE: 200-580-7 CAS: 64-19-7 Index no.: 607-002-00-6 Registration no.: 01-2119475328-30-XXXX	Flam. Liq. 3; H226 Skin Irrit.2; H315 Eye Irrit. 2; H319	<0,6

Full text of the phrases identifying the types of hazards is provided in section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:
See section 11 of the Safety Data Sheet.

Inhalation:

Take the victim outside into fresh air, ensure quiet surrounding; in case of no breath, apply artificial respiration. Call a doctor.

Skin:

Take off contaminated clothing. Rinse contaminated skin with plenty of lukewarm water for about 15 minutes. If irritation persists, consult a doctor.

Eyes:

Rinse immediately with plenty of lukewarm water for about 15 minutes, avoid strong water jet-risk of cornea damage, consult a doctor.

Alimentary tract:

Do not provoke vomiting (choking risk). Rinse mouth with water. If conscious, administer 1-2 glasses of warm water. Call a doctor.

Person giving first aid should wear medical gloves.

4.2. Most important symptoms and effects, both acute and delayed

Vapours might cause drowsiness and vertigo. Repeated exposure might cause skin dryness or rupture.

NOVAKRYL 5600 2.1 ACRYLIC CLEARCOAT

4.3. Indications of any immediate medical attention and special treatment needed

Special measures allowing for specialist and immediate aid should be available in the place of work.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Powder, foam resistant to alcohols, carbon dioxide, water mist.

5.2. Special hazards arising from the substance or mixture

Fire may cause generation of carbon dioxide and other toxic gases.

5.3. Advice for firefighters

Fire-fighting teams should wear self-contained breathing apparatus and light protective clothing. Cool adjacent tanks by spraying water at a safe distance.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

For persons not being the members of aid giving staff:

Eliminate sources of ignition. Ensure sufficient ventilation of the room. Avoid direct contact with the released substance. Avoid contact with skin and eyes. Personal protection measures - section 8 of the Safety Data Sheet.

For persons giving aid:

Persons giving aid should wear protective clothing made of coated, impregnated fabric, protective gloves (viton), tight protective glasses and breathing apparatus: gas mask with A type absorber.

6.2. Environmental precautions

Prevent leakage to the sewage system, surface waters, underground waters and soil.

6.3. Methods and materials for containment and cleaning up

Stop the leakage (close the liquid inflow, seal), place damaged container in an emergency container, remove the liquid mechanically and place it in an emergency container. In case of large leakage, embank the area. In case of small amounts, collect with the use of a binding agent (e.g. mica, diatomaceous earth, sand).

6.4. Reference to other sections

Personal protection measures - see section 8 of the Safety Data Sheet.

Disposal considerations - see section 13 of the Safety Data Sheet.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Keep away from heat and fire sources. Prevent leakage to the sewage system, surface waters, underground waters and soil. Use in well ventilated rooms. Do not smoke. Do not inhale fumes. Avoid contact with skin and eyes. Take precaution measures against electrostatic discharge. Use personal protection measures - section 8 of the Safety Data Sheet.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly sealed, original containers. Do not store near large amounts of organic peroxides and other strong oxidants. Take precaution measures against electrostatic discharge. Store in cool, well ventilated rooms. Protect from low temperatures, the influence of sunrays and heat sources.

7.3. Special end use(s)

For professional use in car refinish taking into consideration the information included in subsections 7.1 and 7.2.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

8.1. Control parameters

Acetone CAS 67-64-1 according to:

- TRGS 900: MAK: 500ppm, MAK: 1200 mg/m³, 2(I),DFG
- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]: TWA 500 ppm: 1210 mg/m³, STEL 1500ppm, 3620 mg/m³

Xylene CAS 1330-20-7 according to:

- TRGS 900: MAK: 100ppm, MAK: 440 mg/m³, 2(II),DFG, H
- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment

[NOHSC:1003(1995)]: **NOVAKRYL 5600 2.1 ACRYLIC CLEARCOAT**
TWA 50 mg/m³, 220mg/m³, STEL 100ppm, 441 mg/m³, Sk, BMGV

Methyl acetate CAS 79-20-9 according to:

- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment
[NOHSC:1003(1995)]: TWA 500 ppm: 250 mg/m³, STEL 600 mg/m³

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

8.2. Exposure control

Respiratory tract protection:

Gas mask with A type absorber (EN 141).

Hand protection:

Protective gloves PN-EN 374-3 (viton, 0.7 mm thick, penetration time > 480 min, nitrile rubber, 0,4 mm thick, penetration time > 30 min)

Eye protection:

Tight protective glasses.

Skin protection:

Proper protective clothing (coated impregnated fabrics).

Workplace:

Fixed fume extraction and general ventilation.

Environmental exposure control:

Prevent leakage to the sewage system, surface waters, underground waters and soil.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	colorless
Odour	strong, powerful
Odour threshold	no data
pH	not applicable
Melting/freezing point	not applicable
Boiling point	Approx. 56°C; 132,8°F (acetone)
Flash point	Approx. 14°C, 57,2 °F (isobutyl methyl ketone)
Autoignition point	Approx. 450°C, about 842°F (isobutyl methyl ketone)
Breakdown point	not specified
Evaporation rate	not specified
Flammability (solid, gas)	not applicable
Explosion limits	% dolna: 1.2 vol% góna: 8.0 vol% (isobutyl methyl ketone)
Vapour pressure	21,23 hPa (20°C) (isobutyl methyl ketone)
Vapour density (with regard to air)	3.45 (isobutyl methyl ketone)
Density 20°C	Approx. 1.0 g/cm ³ , 8,34 lb/gal
Solubility (in water)	poor
N-octanol/water division ratio	no data
Viscosity	no data
Explosive properties	not applicable
Oxidizing properties	not applicable

9.2 Other informations

No available data.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

The product is not reactive under normal conditions.

10.2. Chemical stability

The product remains stable under normal conditions.

10.3. Possibility of hazardous reactions

Carbon monoxide and other toxic gases are generated as a result of thermal decomposition.

10.4. Conditions to be avoided

NOVAKRYL 5600 2.1 ACRYLIC CLEARCOAT

Highly flammable liquid and vapour. Avoid contact with strongly oxidizing agents, peroxides, strong acids and bases. Avoid generation and accumulation of static electricity. Protect from the influence of sunrays and heat sources.

10.5. Incompatible materials

Avoid contact with large amounts of organic peroxides, strong acids and bases as well as other strong oxidants.

SECTION 10: STABILITY AND REACTIVITY

10.6. Hazardous decomposition products

Carbon monoxide and other toxic gases are generated as a result of thermal decomposition.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

No experimental data available on the preparation. Evaluation was performed based on the data on dangerous ingredients included in the preparation.

a) Acute toxicity

Xylene	LD ₅₀ (rat, ingestion)	4300 mg/kg
	LC ₅₀ (rat, inhalation)	5000 ppm/4h
	LD ₅₀ (rabbit, skin)	1700 mg/kg
Acetone	LD ₅₀ (rat, oral)	5800 mg/kg
	LD ₅₀ (rabbit, skin)	20000 mg/kg
	LC ₅₀ (rat, inhalation)	39 mg/ m ³ /4h
1-methoxy-2-propanol acetate	LD ₅₀ (rat, ingestion)	8532 mg/kg
	LD ₅₀ (rabbit, skin)	5000 mg/kg
Isobutyl methyl ketone	LD ₅₀ (rat, ingestion)	2080mg/kg
	LC ₅₀ (rat, inhalation)	100gm/m ³

b) Skin corrosion/irritation

No available data confirming the hazard class.

c) serious eye damage/irritation

No available data confirming the hazard class.

d) respiratory or skin sensitisation

May cause an allergic skin reaction.

e) germ cell mutagenicity

The mixture has not been classified as mutagenic. No available data confirming the hazard class.

f) carcinogenicity

Suspected of causing cancer.

g) reproductive toxicity

The mixture has not been classified as having any harmful effect on reproduction. No available data confirming the hazard class.

h) STOT-single exposure

May cause drowsiness or dizziness.

i) STOT- repeated exposure

No available data confirming the hazard class.

j) aspiration hazard

No available data confirming the hazard class.

Exposure methods:

Inhalation: May cause irritation.

Skin: May cause sensitization by skin contact.

Eyes: May cause irritation.

If swallowed, the substance may cause irritation of the alimentary tract, nausea, vomiting and diarrhoea.

Poisoning symptoms:

Headache and vertigo, fatigue, decreased muscle power, drowsiness and, in exceptional instances, loss of consciousness. May cause drowsiness or dizziness. Repeated exposure may cause skin dryness or cracking.

NOVAKRYL 5600 2.1 ACRYLIC CLEARCOAT

SECTION 12: ECOLOGICAL INFORMATION

No experimental data available on the preparation. Evaluation was performed based on the data on dangerous ingredients included in the preparation.

12.1. Toxicity

Acetone	Daphnia magna EC50 (48h) 39 mg/l Number in the catalogue of water hazardous substances: 6 Water hazard class: 1
Xylene	Daphnia magna EC50 (48hours.) > 7.4 mg/l Evaluation indicator of acute toxicity for mammals: 3; for fish: 4.1 Number in the catalogue of water hazardous substances: 206 Water hazard class: 2
1-methoxy-2-propanol acetate	Daphnia magna EC50 (48hours.) > 500 mg/l Oncorhynchus mykiss (rainbow trout)/LC50 (96 hours) 100-180 mg/l Number in the catalogue of water hazardous substances: 5033 Water hazard class: 1

12.2. Persistence and degradability

No available data.

12.3. Bioaccumulative potential

No available data.

12.4. Mobility in soil

Product very poorly soluble in water.

12.5. Results of PBT and vPvB assessment

No available data.

12.6. Other adverse effects

Toxic to aquatic life with long lasting effects.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

The product must be disposed of in compliance with proper local and statutory regulations with regard to waste - see point 15. The product should be disposed with entities which are authorised to conduct activity in the area of collecting, recycling or utilization of waste.

Product remains:

Do not dispose the product into the sewage system. Do not store with communal waste. Remove the remains of the mixture carefully and harden with the use of the proper B component, (waste) hardener included in the set. The hardened product is not harmful waste.

CAUTION: harden the remains in small portions and keep them away from flammable products. High amounts of heat are released during chemical reaction!

Contaminated container:

A container containing unhardened remains of the product is harmful waste. Do not store with communal waste. The contaminated container should be disposed with entities which are authorized to collection, recover or disposal.

NOVAKRYL 5600 2.1 ACRYLIC CLEARCOAT

SECTION 14: TRANSPORT INFORMATION

	ADR/RID	IMO/IMGD	IATA-DGR
14.1. UN number	1866	1866	1866
14.2. UN proper shipping name	RESIN SOLUTION, flammable		
14.3. Transport hazard class(es)	3	3	3
14.4. Packaging group	II	II	II
14.5. Environmental hazards	yes	yes	yes
14.6. Special precautions for user Do not transport together with materials of class 1 (excluding materials of class 1.4S) and some materials of classes 4.1 and 5.2. During transport, avoid direct contact with materials of classes 5.1 and 5.2. Do not use an open flame and do not smoke.			
14.7. Transport in bulk according to Annex II of MARPOL Convention and the IBC Code Not applicable.			

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

REACH - Regulation 2006/1907/WE
CLP - Regulation 1272/2008/WE

15.2. Chemical safety assessment

Not performed

SECTION 16: OTHER INFORMATION

Full text of the phrases identifying the types of hazards statements mentioned in sections 2-15

Flam.Liq.2 Liquid, flammable substances, Hazard Category 2
H225 Highly flammable liquid and vapour.
Fam. Liq.3 Liquid, flammable substances, Hazard Category 3
H226 Flammable liquid and vapour.
STOT SE 3 Specific target organ toxicity– single exposure, Hazard Category 3
H335 May cause respiratory irritation.
H336 Might cause drowsiness or or dizziness.
Asp. Tox. 1 Aspiration hazard, Hazard Category 1
H304 May be fatal if swallowed and enters airways.
Acute Tox. 4. Acute toxicity, Hazard Category 4
H302 Harmful if swallowed.
H332 Harmful if inhaled.
H312 Harmful in contact with skin.
Skin Irrit. 2 Caustic/irritating effect on skin, category 2
H315 Causes skin irritation.
Skin Sens. 1 Skin sensation, Hazard Category 1.
H317 May cause an allergic skin reaction.
Eye Irrit. 2 Serious eye damage/eye irritation, Hazard Category 2
H319 Causes serious eye irritation.
Carc. 2; Carcinogenicity, Hazard Category 2
H351 Suspected of causing cancer.
Aquatic Chronic 2 Hazardous to the aquatic environment — Chronic Hazard, Category 2
H411 Toxic to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking.

Explanation of the abbreviations and acronyms used in the Safety Data Sheet

CAS no – numerical symbol ascribed to a chemical substance by the American organization, Chemical Abstracts Service (CAS).

EC no. – a number ascribed to a chemical substance in the European List of Notified Chemical Substances (ELINCS) or a

NOVAKRYL 5600 2.1 ACRYLIC CLEARCOAT

number in the European Inventory of Existing Chemical Substances mention in "No-longer polymers" publication (EINECS)

MPC – maximum permissible concentration of health hazardous substances in the work place

MPIC – maximum permissible instantaneous concentration

MPCC - maximum permissible ceiling concentration

PCB - permissible concentration in biological material

UN number - four-digit identification number of a substance, preparation or product pursuant to UN model regulations

ADR – European agreement on international road transport of hazardous materials

SECTION 16: OTHER INFORMATION

Explanation of the abbreviations and acronyms used in the Safety Data Sheet

IMO – International Marine Organization

RID – Regulations for international rail transport of hazardous materials

IMDG-Code – International marine code for hazardous materials

ICAO /IATA – Technical Instructions for Safe Air Transport of Hazardous Materials

The information is based on our current knowledge. This document shall not constitute warranty for product characteristics. Classification was made by calculation method according to the classification rules contained in Regulation 1272/2008/WE.

Other sources of information

ECHA European Chemicals Agency

TOXNET Toxicology Data Network

IUCLID International Uniform Chemical Information Database

Changes: General update

Trainings:

With regard to handling, health and safety while working with hazardous substances and mixtures.

With regard to transport of hazardous goods pursuant to the requirements of ADR regulations.

Issued by: NOVOL Sp. z o.o.